

# Elcometer 130 SCM400 Salt Contamination Meter



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**At a glance**

- A field based gauge for measuring the level of soluble salts on a surface - with laboratory type accuracy.
- Fast and very easy to use.
- Test papers can be re-moistened to obtain a similar test result - ideal for confirming tests for proof of inspection and its purposes.

**Elcometer 130 SCM400 Salt Contamination Meter**

Soluble salts on a surface are absorbed into a special filter paper soaked with distilled water. The Elcometer 130 measures the conductivity of wet paper, calculates the salt level and displays it in  $\mu\text{g cm}^{-2}$ .

- Suitable for a wide range of shapes, orientations, surfaces and finishes
- Quick and simple to use
- Battery operated and portable
- Confirms adequate cleaning of surfaces before coating, aiding the prevention of premature coating failure
- Shows salt build-up on vulnerable surfaces, which can be treated to increase the lifetime of a coating
- Test papers can be re-moistened and a similar test result can be achieved - ideal for proof and ISO requirements
- Accurate
- Repeatable
- Reproducible

**Surface Cleanliness**

Surface contamination from salts such as chlorides, sulphates and nitrates have been shown to lead to blistering of organic coatings, particularly in immersion conditions.

It is not sufficient to measure the cleanliness of the substrate. In a multi-layer coating process, it is necessary to monitor and record the cleanliness of each layer prior to applying the next coating. When using amine cured epoxy coatings, for example, in low ambient temperatures or in high humidity, a surface oiliness or exudate may cause inter-coating adhesion failure.

<b>Range</b>	0.1 - 20 $\mu\text{g cm}^{-2}$
<b>Resolution</b>	0.1 $\mu\text{g cm}^{-2}$
<b>Accuracy</b>	$\pm 1\%$
<b>Operating Range</b>	5 to 40°C (41 to 104°F) <80% RH
<b>Power Supply</b>	9V Battery 6LR61 (MN1604)
<b>Sampling Time</b>	2 minutes
<b>Sampling Size</b>	11cm (4.3") circle or part of this
<b>Weight</b>	1.5kg (3.3lbs)
<b>Dimensions (nominal) Instrument Only</b>	200 x 190 x 60mm (7.9 x 7.5 x 2.4")
<b>Number of tests before battery change</b>	approximately 500 measurements

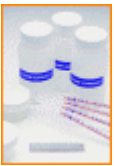
Model	Description	Part Number
Elcometer 130	Elcometer 130 Salt Contamination Meter	E130----1
<b>Accessories</b>	250ml Pure Water	T13011344
	100 High Purity Sample Papers	T1304469-
	Medical Wipes (1 Pack)	T1304472-
<b>Packing List</b>	Elcometer 130 SCM400 Salt Contamination Meter, Carry Case and nylon Shoulder Strap, High Purity Sample Papers (pack of 100), Plastic Tweezers (2 off), Self-Seal PVC Bags (pack of 20), Replacement Pressure Support Pads (pack of 8), Disposable Gloves (pack of 20) in nylon holdall, Pack of Tissues, 9V Alkaline Battery, 2ml Syringes (3 off), Bottle of High Purity Water (250ml), Plastic Sample Bottle & Operating Instructions	

## Related products



Elcometer 134S

Chloride salts left on the surface before the first coat is applied can result in the coating system being forced off the surface by corrosion or blistering before the full life of the coating has been reached. Salts are extracted using a rubber tube and the level of chloride on the surface is identified using a simple glass tube which identifies the concentration level.



Elcometer 134A

Chlorides deposited on a surface by contaminated abrasive during blasting can cause a coating to fail prematurely. Contamination can build up, particularly if the blast media is recycled several times. The Elcometer 134A is an easy to use, accurate field test which determines if your abrasive is contaminated with chlorides and thus prevent costly surface-related failures.



Elcometer 134W

Coatings can fail due to chlorides being deposited on a surface by contaminated water during pressure washing, UHP water jetting or wet abrasive blasting. The Elcometer 134W is an easy to use, accurate, field based test which determines if your wash water is contaminated with chlorides and thus prevent costly surface coating failures.



Elcometer 134CSN

Designed to accurately measure surface chloride, sulphate and nitrate ions in minutes, the Elcometer 134 'CSN Salts' offers the user the ability of trouble-free testing in the field. Supplied in an ABS plastic carrying case for easy portability around the site, each field kit is supplied with full instructions attached to the inside lid.



Elcometer 138

Well known in the protective coatings field, the Bresle Patch is one of the most popular tests for soluble salts. A patch is adhered to the substrate and the soluble salts are dissolved into distilled water using a rinsing motion caused by a syringe. A conductivity meter is then used to calculate the salt level.



Elcometer 139

The first site test for determining the presence of Amines on the surface of a coating. If present it can lead to inter-coat adhesion failure. This simple test takes seconds to undertake and gives instant results.

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